TELEPHONE
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The University of Melbourne

Carlton, N.3, 19th December, 1952.

Dr. J. Lederberg,
Department of Genetics,
College of Agriculture,
University of Wisconsin,
Madison 6, U.S.A.

Dear Dr. Lederberg,

Since I last wrote to you my plans for sabbatical leave have advanced slowly and timorously. I have not as yet heard from the Carnegie Corporation as to whether a grant in aid will be made available, and I am now applying for a Fulbright and Smith-Mundt Scholarship to assist my visit to Wisconsin.

At the moment I hope to be able to follow my study plans, namely, to spend four months, December 1953 to March 1954, attached to yourself, Professor Wilson and Dr. Green. The actual research project I would like to follow would be a study of the uptake of metal-oxine* complexes by Staphylococcus aureus and Bacterium coli. We have already shown that the presence of ionised iron is essential for the antibacterial action of 8-hydroxyquinoline (oxine), and I would like to investigate further certain aspects of this problem using labelled metal complexes of oxine. * /Albert, Rubbo, Goldacre & Balfour "The influence of chemical constitution on antibacterial activity. Part III: A study of 8-hydroxyquinoline (oxine) and related compounds" (1947) Brit.J.exp.Path., 28, 69-87; Rubbo, Albert & Gibson "The influence of chemical constitution on antibacterial activity. Part V: The antibacterial action of 8-hydroxyquinoline (oxine)" (1950) Brit.J.exp.Path., 31, 425-441; Albert, Gibson & Rubbo "The influence of chemical constitution on antibacterial activity. Part VI: The bactericidal action of 8-hydroxyquinoline (oxine)," Brit.J. exp.Path., (in the press)/.

This is, of course, merely a tentative suggestion but I hope it might bring in experiments using labelled metals, enzyme studies and isolation of mutant organisms.

This mail I am also writing to Professor Wilson and Dr. Green telling them of my plans.

Wishing you every happiness for Christmas and the New Year,

Yours sincerely,

Sydney D. Rubbo

SYDNEY D. RUBBO
Professor of Bacteriology